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DATE	DATE
1. <i>Swelling of buds</i>	8. <i>Beginning of leaf falling</i>
2. <i>Bursting of buds</i>	9. <i>Ending of leaf falling</i>
3. <i>Beginning of leafing out</i>	10. <i>Beginning of seed ripening</i>
4. <i>General leafing out</i>	11. <i>General seed ripening</i>
5. <i>Beginning of blossoming</i>	12. <i>Beginning of seed falling</i>
6. <i>General blossoming</i>	13. <i>General seed falling</i>
7. <i>Change in color of foliage</i>	
14. <i>Quantity of seed</i>	
15. <i>Quality of seed</i>	
General remarks	
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Professor W. W. Rowlee of Cornell University has been appointed chief examiner in botany on the college entrance examination board for next year.

A large collection of desert plants is still on exhibition in front of the main entrance to the Bronx Park conservatories. Those who have not yet seen this unusual garden will be surprised at the brilliant flowers exhibited by some of the plants. One of the so-called "century-plants" is also in bloom, bearing a flower stalk nearly twenty feet tall.

NEWS ITEMS

Dr. N. L. Britton left New York August 18 on the *Lusitania*, for a short visit to England.

Mr. W. W. Eggleston has recently completed a month's collecting trip in western Kentucky.

Georgia has appropriated \$10,000 for educational work at farmers' institutes in the state.

A new agricultural college and research institute has been opened at Coimbatore in British India.

John Putnam Helyar (B.S. Vermont, 1909) has been appointed instructor in botany in the University of Vermont.

Dr. W. A. Murrill of the New York Botanical Garden spent July collecting mushrooms in Virginia.

Professor Winthrop John VanLeuven Osterhout (A.B. Brown, 1893 ; Ph.D. California, 1899), of the University of California, has accepted a call to Harvard as assistant professor of botany.

Professor Emil Hansen, the physiological botanist, died in August, at the age of sixty-seven. Professor Hansen was best known for his work on microorganisms and alcoholic ferments.

Mr. Charles Louis Pollard, chief curator of the Museum of the Staten Island Association of Arts and Sciences, and Mr. George P. Englehardt, of the Brooklyn Children's Museum, have returned from a collecting trip in North Carolina.

Benjamin F. Lutman (A.B. Missouri, 1906 ; Ph.D. Wisconsin, 1909), recently assistant in botany in the University of Wisconsin, has accepted a position as assistant botanist in the Vermont Experiment Station.

The new College of Agriculture of the University of the Philippines, opened June last with a registration of about sixty. E. B. Copeland is dean and professor of botany ; H. Cuzner is professor of agronomy.

Edward Murray East (B.S. Illinois, 1900 ; Ph.D. Illinois, 1907), of the Connecticut Experiment Station, New Haven, has been appointed assistant professor of experimental plant morphology in Harvard University.

Burton Edward Livingston (B.S. Michigan, 1898 ; Ph.D. Chicago, 1901), of the department of botanical research of the Carnegie Institution of Washington, has accepted an appointment as professor of plant physiology in Johns Hopkins University.

Miss Winifred J. Robinson of Vassar College has just returned from the Hawaiian Islands where she spent the summer

collecting ferns. The larger islands were visited and extensive collections were made, special attention being paid to the tree ferns.

Marshall Baxter Cummings (B.S. Vermont, 1901 ; Ph.D. Cornell, 1909), recently assistant in horticulture at Cornell, has been appointed professor of horticulture in the University of Vermont to succeed Professor William Stuart, who goes to the Department of Agriculture in Washington.

Among the delegates sent by various American colleges and universities to the Cambridge (England) Darwin Celebration were the following botanists: Professor W. G. Farlow, American Academy of Arts and Sciences, Boston, Professor J. M. Coulter, University of Chicago, and Mr. C. F. Cox, president of the New York Academy of Sciences.

Dr. J. L. Coulter, professor of agricultural economics in the University of Minnesota, Dr. H. C. Taylor, professor of economics in the University of Wisconsin, and Dr. C. F. Warren, Jr., professor of farm management in Cornell University, have been asked by Dr. E. D. Durand, the census director, to coöperate with him in work on the census schedules.

The University of Wisconsin has created a new department of plant pathology, and has appointed as professor in charge Dr. Lewis Ralph Jones of the University of Vermont. Professor Jones is a native of Wisconsin and after studying at Ripon College, was graduated from the University of Michigan, Ph.B., 1889, Ph.D., 1904 ; he came to the department of natural history in the University of Vermont in 1889, and has been professor of botany since 1893, and botanist of the Vermont Experiment Station since 1890. During this period he has carried on research work in the bureau of plant industry in Washington, and in Europe. In addition to gaining a high reputation as a teacher, he has occupied a field of wide service in Vermont in developing the work of the Vermont Botanical Club and the state forestry department, in securing for the University the Pringle Herbarium with Dr. Pringle as a curator, and recently in organizing a new department of teaching. As a public-spirited citizen and as an instructor he holds a secure position in the esteem and affection

of the students and the people of the state. Professor Jones will remain in Burlington until January, and enter on the work of his new appointment at the beginning of the second semester.

Lectures will be delivered in the lecture-hall of the Museum Building of the Garden, Bronx Park, on Saturday afternoons, at four o'clock, as follows :

Sept. 25. "Native Trees of the Hudson River Valley," by Dr. N. L. Britton.

Oct. 2. "Some Floral and Scenic Features of Porto Rico," by Dr. M. A. Howe.

Oct. 9. "The Flora of the Upper Delaware Valley," by Mr. George V. Nash.

Oct. 16. "Collecting Fungi at Mountain Lake, Virginia," by Dr. W. A. Murrill.

Oct. 23. "Autumnal Wild Flowers," by Dr. N. L. Britton.

Oct. 30. "Some Plant Diseases: Their Cause and Treatment," by Mr. Fred J. Seaver.

Nov. 6. "The Reclamation of the Desert in San Bernardino Valley, California," by Dr. H. H. Rusby.

Nov. 13. "The Hudson River Valley before the Advent of Man," by Dr. Arthur Hollick.

The lectures will be illustrated by lantern-slides and otherwise. They will close in time for auditors to take the 5:34 train from the Botanical Garden Station, arriving at Grand Central Station at 6:03 P. M.

The museum building is reached by the Harlem Division of the New York Central and Hudson River Railway to Botanical Garden Station, by trolley cars to Bedford Park, or by the Third Avenue Elevated Railway to Botanical Garden, Bronx Park. Visitors coming by the Subway change to the Elevated Railway at 149th Street and Third Avenue.